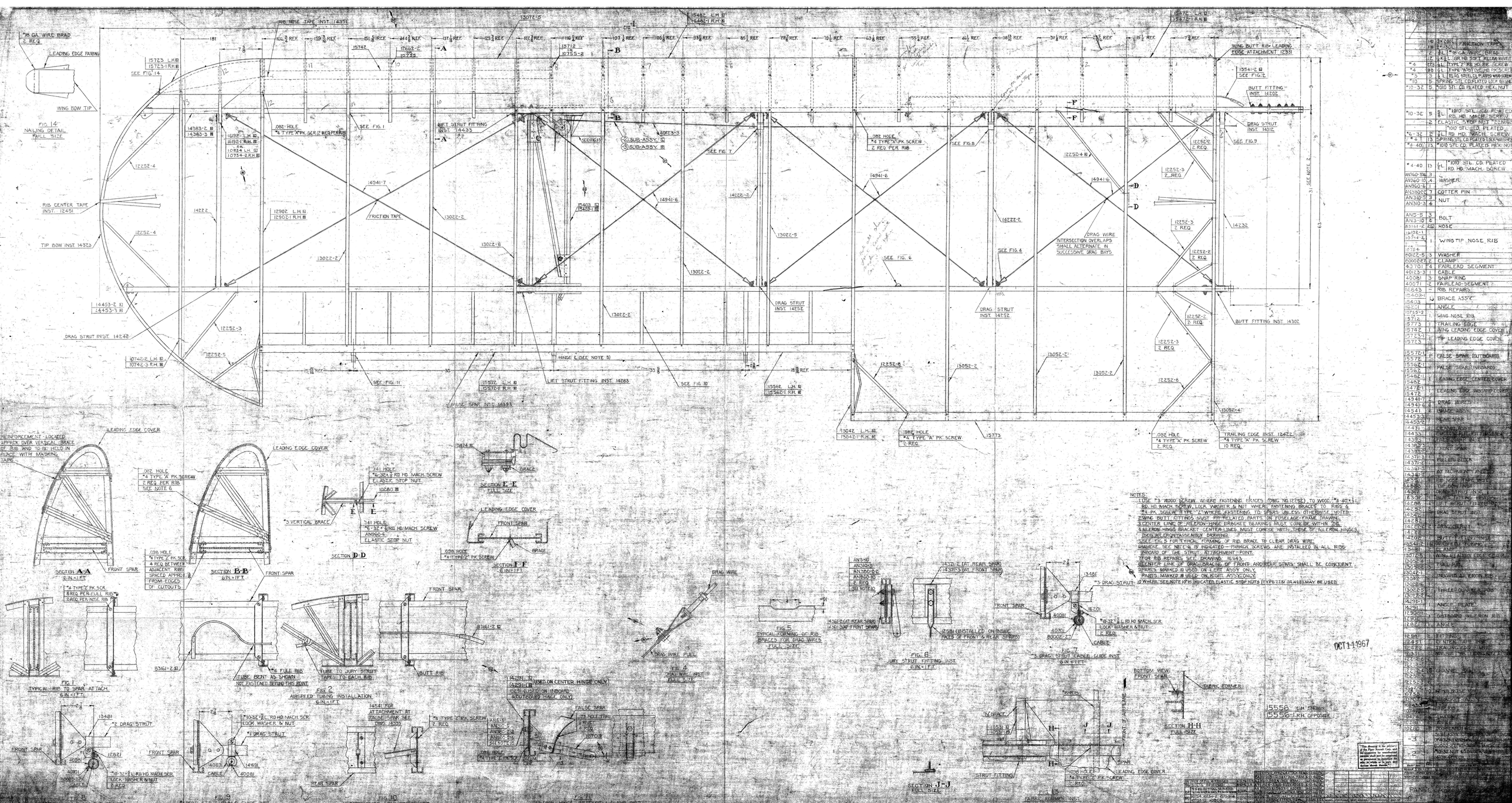
*18 GA. WIRE BRAD 2 REQ
LEADING EDGE FAIRING
WING BOW TIP
FIG. 14 NAILING DETAIL FULL SIZE
15725 L.H. ⊟ 15725-1 R.H. ⊟
SEE FIG. 14
RIB NOSE TAPE INST. 14351
WING BUTT RIB LEADING EDGE ATTACHMENT 12351
15541-2 ⊟ SEE FIG. 12
BUTT FITTING INST. 14202
DRAG STRUT INST. 14312
SEE FIG. 9
12252-2 2 REQ.
12252-3 2 REQ.
12252-4 ⊟
14941-6
14222-2
14232
14383-2 ⊟ 14383-3 ⊟
16192-1 L.H. ⊟ 16192-1 R.H. ⊟
OR 10754 L.H. ⊟ 10754-2 R.H. ⊟
.082 HOLE *4 TYPE "A" PK. SCR. (2 REQ'D PER RIB)
SEE FIG. 1
LIFT STRUT FITTING INST. 14433
SEE FIG. 7
SEE FIG. 8
.082 HOLE *4 TYPE "A" PK. SCREW 2 REQ. PER RIB
12252-5
14341-7
FRICTION TAPE
13022-2
13022-6
13022-5
RIB CENTER TAPE INST. 12451
TIP BOW INST. 14323
12252-4
12902 L.H. ⊟ 12902-1 R.H. ⊟
15403 ⊟ 15403-1 ⊟
SEE FIG. 6
DRAG WIRE INTERSECTION OVERLAPS SHALL ALTERNATE IN SUCCESSIVE DRAG BAYS
SEE FIG. 4
DRAG STRUT INST. 14252
14453-2 ⊟ 14453-3 ⊟
DRAG STRUT INST. 14242
12252-3
10742-2 L.H. ⊟ 10742-3 R.H. ⊟
12252-5
HINGE (SEE NOTE 3)
SEE FIG. 11
15572 L.H. ⊟ 15572-1 R.H. ⊟
LIFT STRUT FITTING INST. 14263
SEE FIG. 10
15562 L.H. ⊟ 15562-1 R.H. ⊟
FALSE SPAR INST. 14393
13042 L.H. ⊟ 13042-1 R.H. ⊟
.082 HOLE *4 TYPE "A" PK. SCREW 2 REQ.
15773
.082 HOLE *4 TYPE "A" PK. SCREW 2 REQ.
TRAILING EDGE INST. 12422 *4 TYPE "A" PK. SCREW 10 REQ.
13052-2
13052-4
12252-6
SECTION A-A FULL SIZE
REINFORCEMENT LOCATED APPROX. OVER VERTICAL BRACE OF RIB AND TO BE HELD IN PLACE WITH MASKING TAPE
LEADING EDGE COVER
.086 HOLE *4 TYPE "A" PK. SCREW 2 REQ. PER RIB SEE NOTE 6
FRONT SPAR
.086 HOLE *4 TYPE "A" PK. SCR. 4 REQ. BETWEEN ADJACENT RIBS SPACED APPROX. 8" FROM EDGES OF CUTOUTS
SECTION B-B FULL SIZE
SECTION D-D
.141 HOLE *6-32 x 3/8 RD. HD. MACH. SCREW ELASTIC STOP NUT
10280 ⊟
*3 VERTICAL BRACE
SECTION E-E FULL SIZE
10474 ⊟
BRACE
SECTION F-F FULL SIZE
.086 HOLE *4 TYPE "A" PK. SCREW
*4 TYPE "A" PK. SCR. 6 REQ. PER FULL RIB 3 REQ. PER NOSE RIB
FIG. 1 TYPICAL RIB TO SPAR ATTACH. FULL SIZE
83161-2 ⊟
*4 FULL RIB TUBE BENT AS SHOWN NOT FASTENED BEYOND THIS POINT
TUBE TO JURY STRUT TAPERED TO EACH RIB
FIG. 2 AIRSPEED TUBING INSTALLATION FULL SIZE
DRAG WIRE
DRAG WIRE PULL
FIG. 4 DRAG WIRE INST. FULL SIZE
14291 ⊟ (USED ON CENTER HINGE ONLY)
14291-1 ⊟
10631 (USED ON INBOARD & OUTBOARD HINGE ONLY)
FALSE SPAR
.173 HOLE THRU
*8 REQ.
10703
.086 HOLE *4 TYPE "A" PK. SCR.
AN515-8 AN960-8 AN960-816 SEE NOTE 10
AN340 AN960 AN960-6 AN960-10 6 REQ. SEE NOTE 10
14371-2 (AT REAR SPAR) 14371-3 (AT FRONT SPAR)
FIG. 5 TYPICAL FORMING OF RIB BRACES FOR DRAG WIRES FULL SIZE
12581 (INSTALLED ON INSIDE FACES OF FRONT & REAR SPARS)
FIG. 6 JURY STRUT FITTING INST. 6 IN. = 1 FT.
FRONT SPAR
14081
16201
*3 DRAG STRUT
*10-32 x 3/8 RD HD MACH. SCR LOCK WASHER & NUT 2 REQ.
40701 83002-27 CABLE
FIG. 7 *3 DRAG STRUT CABLE GUIDE INST. 6 IN. = 1 FT.
NOTES:
1. USE *3 WOOD SCREW WHERE FASTENING BRACES (DWG. NO. 12252) TO WOOD. *4-40 x 1" RD. HD. MACH. SCREW, LOCK WASHER & NUT WHERE FASTENING BRACES TO RIBS & *4 PK. SCREW TYPE "A" WHERE FASTENING TO SPARS UNLESS OTHERWISE NOTED.
2. WING BUTT FITTINGS MUST FIT RELATED PARTS ON FUSELAGE FRAME DRAWING.
3. CENTER LINE OF AILERON HINGE BRACKET BEARINGS MUST COINCIDE WITH CEN. 4. AILERON HINGE BRACKET CENTER LINES MUST COINCIDE WITH THESE OF AILERON HINGES (SEE AILERON ASSEMBLY DRAWING).
5. SEE FIG. 5 FOR TYPICAL FORMING OF RIB BRACE TO CLEAR DRAG WIRE. ELSEWHERE, SEE NOTE 6 IS INDICATED — PARKER SCREWS ARE INSTALLED IN ALL RIBS INBOARD OF THE STRUT ATTACHMENT POINT.
6. FOR RIB REPAIRS SEE DRAWING 16543.
7. CENTER LINE OF DRAG BRACING OF FRONT AND REAR SPARS SHALL BE COINCIDENT.
8. PARTS MARKED (8) USED ON LEFT ASSY ONLY. PARTS MARKED (8) USED ON RIGHT ASSY ONLY.
9. WHERE SEE NOTE 9 IS INDICATED ELASTIC STOP NUTS (TYPE 7116 OR 9435) MAY BE USED.
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FIG. 8 AILERON HINGE BRACKET & CLEVIS INST. 6 IN. = 1 FT.
FIG. 9 *3 DRAG STRUT CABLE GUIDE INST. 6 IN. = 1 FT.
FIG. 10 AILERON PUSH-PULL SPAR BRACE INST. 6 IN. = 1 FT.
FIG. 11 AILERON HINGE BRACKET & CLEVIS INST. 6 IN. = 1 FT.
SECTION J-J FULL SIZE
FIG. 12 FABRIC FORMER INST. FULL SIZE
FABRIC FORMER
BOTTOM VIEW FRONT SPAR
SECTION H-H FULL SIZE
15556 LH SHOWN 15556-1 RH OPPOSITE
DRAG STRUT FITTING
LEADING EDGE COVER
.086 HOLE *4 TYPE "A" PK. SCREW 2 REQ.
STRUT FITTING
SPAR
FRONT SPAR
REAR SPAR
*3 DRAG STRUT
*10-32 x 3/8 RD HD MACH. SCR LOCK WASHER & NUT 2 REQ.
*3 DRAG STRUT
CABLE
*10-32 x 3/8 RD HD MACH SCR LOCK WASHER & NUT 2 REQ.
14491
40081
40701
83002-27
CABLE
14541 FOR ATTACHMENT AT FALSE SPAR SEE DWG. 15231
*4 TYPE "A" PK. SCREW 2 REQ.
FRONT SPAR
REAR SPAR
12821
13481
*2 DRAG STRUT
*10-32 x 3/8 RD HD MACH SCR LOCK WASHER & NUT 2 REQ.
40081
40701
83002-27
CABLE
FIG. 13 FABRIC FORMER INST. 6 IN. = 1 FT.
FIG. 15 AILERON HINGE BRACKET & CLEVIS INST. 6 IN. = 1 FT.
FIG. 16 AILERON PUSH-PULL SPAR BRACE INST. 6 IN. = 1 FT.
FIG. 17 AILERON HINGE BRACKET & CLEVIS INST. 6 IN. = 1 FT.

ITEM NO.	QUANTITY	MATERIAL	DESCRIPTION
	16	AR	COTTER FRICTION TAPE
	118	AR	FRICTION TAPE
	2	FL	*18 GA. WIRE BRAD
	12	4 FL	3/32 DR. HD. SOFT ALUM. RIVET
*4	25	FL	TYPE "A" PK. HD. SCREW
*4	98	FL	TYPE "A" COVERED PK. SCREW
*3	3	FL	3/4 RD. STEEL CD. PLATED WOOD SCREW
*10	5	FL	SPRING STL. CD. PLATED LOCK WASHER
*10-32	5	FL	1010 STL. CD. PLATED HEX. NUT
*10-32	5	FL	*1010 STL. CD. PLATED RD. HD. MACH. SCREW
	2	FL	ELASTIC STOP NUT *10-32
*6-32	8	FL	*1010 STL. CD. PLATED RD. HD. MACH. SCREW
* 4	13	FL	SPRING STL. CD. PLATED LOCK WASHER
*4-40	113	FL	*1010 STL. CD. PLATED HEX. NUT
* 4-40	13	FL	*1010 STL. CD. PLATED RD. HD. MACH. SCREW
AN960-516	3		WASHER
AN960-10	4		WASHER
AN960-8	1		WASHER
AN380-2-2	1		COTTER PIN
AN310-3	3		NUT
AN310-3-6	1		NUT
AN5-8	3		BOLT
AN3-10	6		BOLT
83181-2	20		HOSE
16192-1			
10754-2	1		WING TIP NOSE RIB
10754-1			
80122-5	3		WASHER
2000227	2		CLAMP
40701	4		FAIRLEAD SEGMENT
40123-3	1		CABLE
40081	3		SNAP RING
40071-2			FAIRLEAD SEGMENT
16643	-		RIB REPAIRS
15402-1	5		BRACE ASSY.
15403			ANGLE
10755-2	1		WING NOSE RIB
15712	1		WING NOSE RIB
15773	1		TRAILING EDGE
15742	1		WING LEADING EDGE COVER
15723-1	1		TIP LEADING EDGE COVER
15723			
15572-1	1	F	FALSE SPAR (OUTBOARD)
15572			
15562-1	1		FALSE SPAR (INBOARD)
15562			
15482-1	1		LEADING EDGE CENTER COVER
15482			
15472-1	1		LEADING EDGE INBOARD COVER
15472			
14941-7	2		DRAG WIRES
14941-6	6		
14541	1		BRACE ASSY.
14453-3	1		REAR SPAR
14453-2			
14431	1		CLEVIS
14433	1		LIFT STRUT FITTING
14393	1		FALSE SPAR INST.
14383-2	1		FRONT SPAR
14383-3			
14371-3	1		FILLER BLOCK
14371-2			
14361-2	1		AT TACHMENT ANGLE
16543	1		RIB NOSE TAPE INST.
14351	1		TIP BOW INST.
14323	1		TIP BOW
14312	1		DRAG STRUT INST.
14302	1		BUTT FITTING INST.
14286	1		LIFT STRUT FITTING INST.
14263	1		DRAG STRUT INST.
14252	1		
14242	1		DRAG STRUT INST.
14232	1		
14222	1		
14202	1		BUTT FITTING INST.
14541-1	1		AIRSPEED TUBING
13481	1		BELL CRANK
13072-5	1		WING LEADING EDGE COVER
13022-1	1		TAIL RIB
13042	1		INBOARD AILERON RIB
13022-8	1		
13022-5	1		THREE SPAR TAIL RIB
13022-7	1		
14291-1	1		ANGLE, PLATE
14291			
12902	1		OUTBOARD AILERON RIB
12302	1		
12821	1		ANGLE
12581	6		FITTING
12451	1		CENTER TAPE INST.
12351	1		WING BUTT RIB LEADING EDGE ATTACHMENT
12331	1		WIR. BUTT RIB INBOARD FAIR.
12252-6	4		
12252-5	2		
12252-4	4		
12252-3	6		
12252-2	6		
12252-1	2		
10755-1	1		WING NOSE RIB
10708	1		
10703	8		
10631	1		
10474	1		BRACE
10280	1		
10260	1		
10255-3	1		
10255-2	1		
10255-1	1		
10254-3	1		SUPPORT
10254-2	1		SUPPORT
10254-1	1		SUPPORT
10254	1		SUPPORT
10253-3	1		SUPPORT
10253-2	1		SUPPORT
10253-1	1		SUPPORT
10253	1		SUPPORT
10252-3	1		SUPPORT
10252-2	1		SUPPORT
10252-1	1		SUPPORT
10252	1		SUPPORT
10251-3	1		SUPPORT
10251-2	1		SUPPORT
10251-1	1		SUPPORT
10251	1		SUPPORT
10250-3	1		SUPPORT
10250-2	1		SUPPORT
10250-1	1		SUPPORT
10250	1		SUPPORT
-3	1		SUPPORT
-2	1		SUPPORT
-1	1		SUPPORT

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
A	REVISED PER ECO 1-1-1	10-11-67	

PIPER AIRCRAFT CORP. LOCK HAVEN, PENNA.

PANEL

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